

AMENDMENTS TO THE CLAIMS

Applicant submits below a complete listing of the current claims, including marked-up claims with insertions indicated by underlining and deletions indicated by strikeouts and/or double bracketing. This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (Currently amended) A computing system supporting network selection based upon network information spanning multiple communication media, the system comprising:

a rules data store for maintaining network selection criteria acquired from a plurality of sources;

a media specific module interface facilitating acquiring accumulated network interface information potentially spanning multiple communication media, the accumulated network interface information being associated with a set of networks to which the computing system is capable of connecting via a set of network interfaces; and

network selection logic for designating one of the set of networks by applying a network selection criterion from the rules data store to the accumulated network interface information potentially spanning multiple media.

2. (Currently amended) The computing system of claim 1 wherein ~~the media specific module interface and the network selection logic are associated with~~ comprises a rules engine having access to the rules data store.

3. (Currently amended) The computing system of claim 2 wherein the media specific module interface comprises a normalization module that standardizes communication ~~receives~~ requests it receives from the rules engine directed to network interfaces.

4. (Original) The computing system of claim 1 further comprising a set of media specific modules configured to acquire network interface information pertaining to network interfaces associated with particular media types.

5. (Original) The computing system of claim 4 wherein the media specific modules acquire network interface information from media specific drivers associated with particular network interfaces.
6. (Canceled)
7. (Canceled)
8. (Original) The computing system of claim 1 wherein the network selection criterion specifies a preference order between at least two media based upon a network parameter associated with the media.
9. (Original) The computing system of claim 1 wherein the network selection criterion specifies a preference order between at least two media based upon a network type associated with the media.
10. (Original) The computing system of claim 1 wherein the network selection criterion specifies a preference order based upon a current location of the computing system.
11. (Original) The computing system of claim 1 wherein the network selection criterion specifies a preference order between logical networks.
12. (Currently amended) The computing system of claim 1 wherein the network selection criterion specifies a preference order based upon a network time of use parameter.
13. (Original) The computing system of claim 1 wherein the network selection logic is incorporated into a state machine that cyclically scans a set of network interfaces for networks, applies the network selection criterion to a set of networks and interfaces to render a current network and interface selection, and issues configuration instructions in accordance with the current network and interface selection.

14. (Currently amended) The computing system of claim 1 further comprising a scanning engine associated with a network interface for controlling the timing of eyelid~~eyelid~~ scanning based upon previous scan results maintained in a scanning history.

15. (Currently amended) A method for selecting a network and interface combination, to which a computing system will initiate a connection via the network interface, based upon network information spanning multiple communication media, the method comprising:

accessing a network selection criterion acquired from a plurality of sources;

accumulating network interface information potentially spanning multiple communication media associated with a set of networks to which the computing system is capable of connecting via a set of network interfaces; and

designating one of the set of networks and a network interface from the set of network interfaces by applying a network selection criterion to the network interface information potentially spanning multiple media.

16. (Original) The method of claim 15 wherein the network selection criterion is accessed from a configurable rules data store.

17. (Original) The method of claim 15 further comprising issuing network interface configuration instructions in accordance with the designating step.

18. (Currently amended) The method of claim 15 wherein the accumulating step is facilitated by a normalization module ~~interposed~~ that standardizes communication between a set of media specific modules associated with potentially multiple distinct types of communication media drivers and a rules engine that performs the designating step.

19. (Original) The method of claim 18 further comprising acquiring, by the media specific modules, network interface information from the communication media drivers associated with particular network interfaces.

20. (Canceled)

21. (Original) The method of claim 15 wherein the network selection criterion specifies a preference order between at least two media based upon a network parameter associated with the media.
22. (Original) The method of claim 15 wherein the network selection criterion specifies a preference order between at least two media based upon a network type associated with the media.
23. (Original) The method of claim 15 wherein the network selection criterion specifies a preference order based upon a current location of the computing system.
24. (Original) The method of claim 15 wherein the network selection criterion specifies a preference order between logical networks.
25. (Currently amended) The method of claim 15 wherein the network selection criterion specifies a preference order based upon a network time of use parameter.
26. (Original) The method of claim 15 wherein the network selection logic is incorporated into a state machine, and further comprising cyclically performing, under the control of the state machine: scanning a set of network interfaces for networks; applying the network selection criterion to a set of networks and interfaces to render a current network and interface selection; and issuing configuration instructions in accordance with the current network and interface selection.
27. (Original) The method of claim 15 further comprising initiating network scanning for a designated one or more of the set of network interfaces based at least in part upon a scanning algorithm and previous scan results maintained in a scanning history.
28. (Currently amended) A computer-readable medium including computer-executable instructions for facilitating selecting a network and interface combination, to which a computing

system will initiate a connection via the network interface, based upon network information spanning multiple communication media, the computer-executable instructions facilitating:

accessing a network selection criterion acquired from a plurality of sources;

accumulating network interface information potentially spanning multiple communication media associated with a set of networks to which the computing system is capable of connecting via a set of network interfaces; and

designating one of the set of networks and a network interface from the set of network interfaces by applying a network selection criterion to the network interface information potentially spanning multiple media.

29. (Original) The computer-readable medium of claim 28 wherein the network selection criterion is accessed from a configurable rules data store.

30. (Original) The computer-readable medium of claim 28 wherein the computer-executable instructions further facilitate issuing network interface configuration instructions in accordance with the designating step.

31. (Currently amended) The computer-readable medium of claim 28 wherein the accumulating step is facilitated by a normalization module ~~interposed~~ that standardizes communication between a set of media specific modules associated with potentially multiple distinct types of communication media drivers and a rules engine that performs the designating step.

32. (Original) The computer-readable medium of claim 31 further comprising computer-executable instructions for acquiring, by the media specific modules, network interface information from the communication media drivers associated with particular network interfaces.

33. (Canceled)

34. (Original) The computer-readable medium of claim 28 wherein the network selection criterion specifies a preference order between at least two media based upon a network parameter associated with the media.

35. (Original) The computer-readable medium of claim 28 wherein the network selection criterion specifies a preference order between at least two media based upon a network type associated with the media.

36. (Original) The computer-readable medium of claim 28 wherein the network selection criterion specifies a preference order based upon a current location of the computing system.

37. (Original) The computer-readable medium of claim 28 wherein the network selection criterion specifies a preference order between logical networks.

38. (Currently amended) The computer-readable medium of claim 28 wherein the network selection criterion specifies a preference order based upon a network time of use parameter.

39. (Original) The computer-readable medium of claim 28 wherein the network selection logic is incorporated into a state machine, and further comprising computer-executable instructions for cyclically performing, under the control of the state machine: scanning a set of network interfaces for networks; applying the network selection criterion to a set of networks and interfaces to render a current network and interface selection; and issuing configuration instructions in accordance with the current network and interface selection.

40. (Original) The computer-readable medium of claim 28 further comprising computer-executable instructions for initiating network scanning for a designated one or more of the set of network interfaces based at least in part upon a scanning algorithm and previous scan results maintained in a scanning history.

41. (New) The computing system of claim 1 wherein the plurality of sources of the network selection criteria comprise a user interface and a group policy service.

42. (New) The computing system of claim 41 wherein the sources network selection criteria are acquired from include a provisioning service.

43. (New) The method of claim 15 wherein the sources network selection criteria are acquired from include a user interface and a group policy service.

44. (New) The method of claim 28 wherein the plurality of sources of the network selection criteria are acquired from include a provisioning service.